

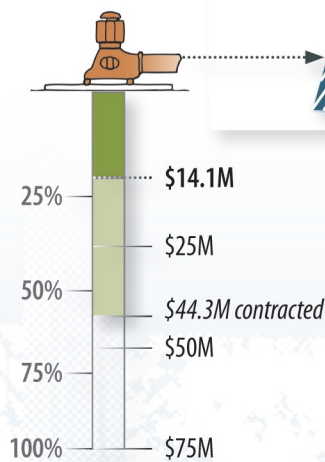


# Water System Improvement Project

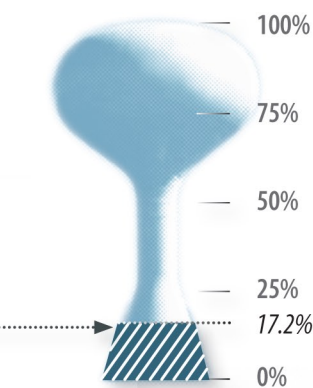
## Project Expenditures and Progress

Work is proceeding on all phases of the Rockford Water System Improvement Project. As the graphic to the right shows, the City has signed contracts for approximately \$44.3 million worth of studies, designs, and construction through the middle of August 2008. This total represents approximately 59.1% of the total project budget of \$75 million. Budget spent through July 2008 totals approximately \$14.1 million, or about 18.8% of the total budget. Progress reports developed for the individual projects completed or currently active indicate that the overall project is about 17.2% complete.

### Budget Spent



### % Complete



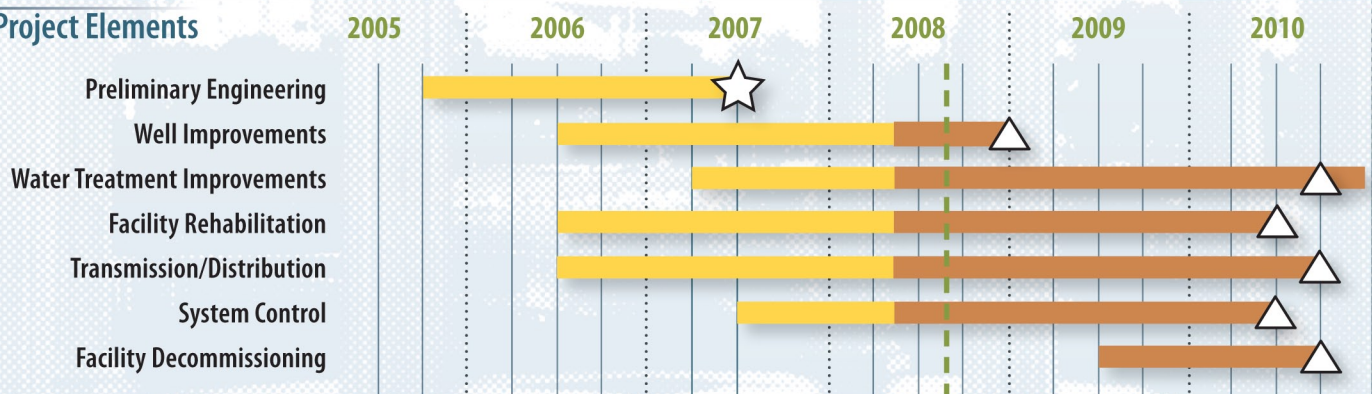
date for well rehabilitation has been extended to the end of 2008 due to the need to limit well outages during the high demand summer period. Plans for early decommissioning of several facilities have also been delayed due to the need to keep facilities available through the high demand summer period. However, construction activities are now in progress at the Stanley Street Booster Station, the Unit Well 31, 40, and 42 Treatment Plant sites, and several additional unit well rehabilitation

sites. Bids for construction of three additional treatment plant projects and two facility rehabilitation projects have also been opened and are being processed for loan funding and contract award. Bids for construction of three water distribution main projects are being opened in August 2008, and work on these projects will begin in the fall. Design efforts for other projects are ongoing. Details related to the status and anticipated completion dates for these and other individual projects are presented in the tables on pages 2 and 3 of this report.

## Project Milestone Schedule

A master schedule for the overall project has been developed and is being used to coordinate project activities and overall progress. Projected completion dates for major milestones are shown in the graphic below. The projected completion

### Major Project Elements





# 3rd Quarter 2008 Project Status

## Project Status – August 2008

Project	Ward	Planned Construction	Rehabilitation				Progress				Status
			Wells	Treatment	Facility Rehab	Abandon	Planning	Design	Construction	Complete	
Facility Rehabilitation / Improvements											
Treatment Equipment	--	2008-2010		X			✓	✓	✓		
S01 : 525 Stanley Street	13	2007-2008	X		X		✓	✓	✓		
U03 : 1404 River Bluff Blvd.	12	2008-2009	X		X		✓	✓	✓		
U04 : 801 Marchesano Dr.	5	2010				X	✓				
U05 : 2526 Pelham Rd.	3	2009-2010		X	X		✓				
U06 : 2604 19th Ave.	8	2008-2009	X		X		✓	✓	✓		
U09 : 2708 Crosby St.	10	--					✓			✓	
U10 : 4316 Newburg Rd.	14	2008-2009			X		✓	✓	✓		
U11 : 1218 7th Ave.	11	2010				X	✓				
U12 : 1022 Benton St.	3	2010				X	✓				
U13 : 4625 Skyline Dr.	10	2009-2010	X	X	X		✓	✓			
U15 : 3030 Chestnut St.	13	2010				X	✓	✓			
U16 : 4550 Harrison St	14	2010				X	✓				
U17 : 3700 Brookview Rd.	3	--					✓			✓	
U18 : 1409 S. Johnson Ave.	5	2008-2009			X		✓	✓	✓		
U20 : 2434 N.Central Ave.	9	2010				X	✓				
U21 : 703 Daisyfield Rd.	13	2008-2009	X		X		✓	✓	✓		
U22 : 5110 Auburn St.	13	2008-2009			X		✓	✓	✓		
U23 : 1206 Elmwood Rd.	12	--					✓			✓	
U24 : 6475 Cessna Dr.	6	2008-2009	X		X		✓	✓	✓		
U25 : 5602 Spring Creek Rd.	4	2009					✓	✓	✓		
U26 : 5500 E. State St.	10	2009					✓	✓	✓		
U27 : 5834 Guilford Rd.	1	2010				X	✓				
U28 : 5400 Belt Line Rd.	6	--					✓			✓	
U29 : 4750 Pepper Dr.	4	2008-2009	X	X	X		✓	✓	✓		
U30 : 3725 Trainer Rd.	4	2008-2009	X	X	X		✓	✓	✓		
U31 : 1780 Bell School Rd.	1	2008-2009	X	X	X		✓	✓	✓		
U33 : 930 Arthur Ave.	1	2010				X	✓				
U34 : 3945 Dawes Rd.	5	2009-2010	X	X	X		✓	✓			
U35 : 2944 Bildahl St.	6	2010				X	✓				
U36 : 4141 Samuelson Rd.	6	2009-2010		X	X		✓				
U37 : 2100 Huffman Blvd.	9	2008-2009			X		✓	✓	✓		
U39 : 7423 Spring Brook Rd.	4	2010			X		✓				
U40 : 738 Lyford Rd.	1	2008-2009		X	X		✓	✓	✓		
U42 : 6733 Newburg Rd.	1	2008-2009	X	X	X		✓	✓	✓		
U43 : 3447 Publishers Dr.	14	2008-2009		X	X		✓	✓	✓		
U44 : 5250 Owen Center Rd.	9	2008-2009			X		✓	✓	✓		
U46 : TBD	--	--	X				✓				
SCADA	--	2008-2010					✓	✓	✓		

### Individual Project Status

A detailed listing of the location, schedule and status of improvements planned for individual facilities, water mains, or the overall water system, is provided in these tables. Color-coded cells in the last column of the table indicate overall project status using a green (Good), yellow (OK, but some issues), or red (Problems) format.

### Stanley Street Pumping Station

Work has progressed nicely through the summer months, and almost all general construction is nearly complete. It is anticipated that startup of this new pumping station will occur in early to mid September. During the past three months the building has been totally enclosed, and doors and windows installed. The 1,000 kW diesel standby generator has been installed, and all of the station pumps are in place. The majority of ongoing work is for electrical lighting, power and controls. The large 5 million gallon reservoir was cleaned and disinfected, and is now back on line using the pumps in the old pumping station. In addition, the reservoir is getting a major facelift to replace the deteriorating brick walls and concrete roof edge.



### Group 1 Treatment Facilities Construction

The Group 1 treatment facilities are primarily designed to remove naturally occurring iron and manganese from the raw well water. This process can also be converted to remove naturally occurring radium.



The Group 1 Treatment facilities are divided into two construction contracts. Group 1A consisting of water treatment plants at Wells 40 and 42 was awarded to Scandrol Construction, of Rockford for \$4,597,740. The contractor is in the process of completing the foundations of these structures in the next few weeks. Construction of the masonry walls will immediately follow. The contractor is currently on schedule for bringing these facilities on line by January 1, 2009. The final contract completion date is set for the spring of 2009 to allow the contractor to complete final landscaping. Group 1B consists of a water treatment plant at Well 31. The contract was awarded by the City Council to Whittaker Construction and Excavating of Earlville, IL for an amount of \$3,770,000. This project is being funded using IEPA State Revolving Loan Funds. Construction began in July, after receipt of final authorization of the contract award from the IEPA. Installation of caissons for the foundation of the new structure is currently underway. Group 1B is scheduled for final completion in the fourth quarter of 2009.

Project	Ward	Planned Construction	Rehabilitation				Progress				Status
			Wells	Treatment	Facility Rehab	Abandon	Planning	Design	Construction	Complete	
Preliminary Engineering		2005-2007					✓	✓	✓	✓	
Well Rehabilitation		2006-2007					✓	✓	✓		
Pilot Test Program		2006-2007					✓	✓	✓	✓	
Zone Boundary Improvements		2007-2010					✓	✓	✓		
Water Main Improvements											
W-1 : Harrison Street East	8	2007					✓	✓	✓	✓	
W-2 : Airport Loop	6	2007-2008					✓	✓	✓	✓	
W-3 : Auburn Street	7/9	2008-2009					✓	✓			
W-4 : Aldeen	10	2008-2009					✓	✓			
W-5 : Alpine Meadows	4	2009-2010					✓	✓			
W-6 : American Road	14	2008-2009					✓	✓			
W-7 : Dawson Avenue	2/3/10	2008-2010					✓	✓			
W-8 : 20th Street Extension	8/11	2008-2009					✓	✓			
W-9 : Green Street	13	2008-2009					✓	✓			
W-10 : 22nd Street	8	2008-2009					✓	✓			
W-11 : Ekberg Pine Manor Park	6/14	2008-2009					✓	✓			
W-12 : Almond Drive / 35th Street	14	2008-2009					✓	✓			
W-13 : Harrison Street West	6/11	2009-2010					✓				
EXW : Porter Road	9	2008-2009					✓	✓			
EXE : Paulson Road	1/4	2009-2010					✓				



# 3rd Quarter 2008 Highlights

## Group 1 Non-Treatment Base Facilities



Work on these 7 non-treatment facilities began in early July, following approval of a low-interest loan from the Illinois EPA. Bennett Construction has started some work at nearly all of the facilities, but is now concentrating efforts at Well Sites 6 and 22. These two well houses will get completely new roof structures, and will also have improved electrical equipment, energy efficient heating systems, and new chemical feed equipment. These two facilities will be out of service for at least three months. Work on the other 5 well houses will be spread out over the next 16 months. Work at most of these facilities includes new pumping and chemical feed equipment, new energy efficient heating systems, new electrical and control equipment, and code-compliant chemical rooms.



## Group 2 Treatment Facilities Design and Bidding

The Group 2 Treatment facilities consist of a single construction contract to be completed at three well sites. These wells are 29, 30 and 43. The treatment facilities at these wells will remove naturally occurring iron, manganese, and radium. The project was awarded to Williams Brothers Construction of Peoria, Illinois for an amount of \$8,735,000. The Group 2 construction contact will be funded using the IEPA State Revolving Loan Fund. The bid documents are currently under review by IEPA Infrastructure Financial Assistance Section. Upon IEPA approval, the contracts will be executed and construction will begin. Based upon the current schedule, these facilities are anticipated to be completed in the early spring of 2010.

## Operator Training

The Rockford Water Utility Operators have been meeting on a monthly basis to prepare for the operation of the new and improved water system. The monthly training meetings have covered such topics as existing operations, the proposed system improvement plan, pump operations, treatment, and system maintenance. In the month of June, two groups of water system operators toured radium removal facilities in the City of Joliet. The radium removal facilities in Joliet use a very similar treatment system to that being provided as part of the Rockford Water Improvement Project. In addition to seeing the treatment process first hand, the Operators had the opportunity to discuss operation of the equipment with the Joliet operations staff, providing valuable insight into future system operations.



## Water Main Projects

Design of water main improvement projects in support of the Water System Improvement Project is actively progressing. The Airport Loop water main has been completed and is in service. Construction bids are being opened in August for four water main projects (American Road, Ekberg, Green Street, and Alpine Meadows) for construction to begin this fall. The construction bid for the Porter Road water main will follow shortly to begin construction this fall as well. Designs for five water main projects (Aldeen Park, 20th Street, 22nd Street, 35th Street, and Auburn Street) are at or near completion, with plans to advertise for construction bids next quarter. The City is coordinating with the IEPA on these projects to obtain low-interest loan funding for design and construction costs.



**For more information** on specific projects, please contact:

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